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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	08978633
Filing Date	1997-11-25
First Named Inventor	Rabbani
Art Unit	1635
Examiner Name	J. Angell
Attorney Docket Number	Enz-53-D1

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sub>1</sub>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6538107		2003-03-25	Hinuma	
	2	5827935		1998-10-27	Rossi	
	3	5821046		1998-10-13	Karn	
	4	5854038		1998-12-29	Sullenger	
	5	5736387		1998-04-07	Paul	
	6	5734039		1998-03-31	Calabretta	
	7	5712384		1998-01-27	Symonds	
	8	5693463		1997-12-02	Edwards	



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	9	5648243		1997-07-15	Hurwitz	
	10	5646032		1997-07-08	ter Meulen	
	11	5633152		1997-05-27	McKnight	
	12	5610067		1997-03-11	Saito	
	13	5604118		1997-02-18	Giri	
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	15	5587308		1996-12-24	Carter	
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20	5480792		1996-01-02	Buechler		
21	5413999		1995-05-09	Vacca		
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	31	4687732		1987-08-18	Ward	
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**U.S.PATENT APPLICATION PUBLICATIONS**

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	1	WO9532225			1995-11-30	Bushman		<input type="checkbox"/>
	2	WO9531566			1995-11-23	Jolly		<input type="checkbox"/>
	3	WO9528494			1995-10-26	Overall		<input type="checkbox"/>
	4	WO9526200			1995-10-05	Williams		<input type="checkbox"/>
	5	WO9519428			1995-07-20	Mason		<input type="checkbox"/>



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6	WO9508635			1995-03-30	Craig		<input type="checkbox"/>
7	WO9506129			1995-03-02	Craig		<input type="checkbox"/>
8	WO9420079			1994-09-15	Livi		<input type="checkbox"/>
9	EP0547920			1993-06-23	Comb		<input type="checkbox"/>
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11							<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	VERMA et al. "Gene therapy -- promises, problems and prospects" Nature 389: 239-242. 1997	<input type="checkbox"/>
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4	WANG et al., "Delivery of antisense oligodeoxyribonucleotides against the human epidermal growth factor receptor into cultured KB cells with liposomes conjugated to folate via polyethylene glycol" Proc. Natl. Acad. Sci. USA 92: 3318-3322. 1995	<input type="checkbox"/>
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7	ROSSI, "Controlled, targeted, intracellular expression of ribozymes: progress and problems" Trends Biotechnol. 13: 301-306. 1995	<input type="checkbox"/>
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13	LEVER "Gene therapy for HIV infection" British Medical Bulletin 51: 149-166. 1995	<input type="checkbox"/>
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15	BINKLEY et al. "RNA ligands to human nerve growth factor" Nucleic Acids Res. 23: 3198-3205. 1995	<input type="checkbox"/>
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25	JUNKER et al. "Reduction in replication of the human immunodeficiency virus type 1 in human T cell lines by polymerase III-drive transcription of chimeric tRNA-antisense RNA genes" Antisense Res. Dev. 4: 165-172. 1994	<input type="checkbox"/>



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37	KOLLER et al. "Large-scale expansion of human stem and progenitor cells from bone marrow mononuclear cells in continuous perfusion cultures" Blood 82: 378-384. 1993	<input type="checkbox"/>
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41	CRISTIANO et al. "Hepatic gene therapy: adenovirus enhancement of receptor-mediated gene delivery and expression in primary hepatocytes" Proc. Natl. Acad. Sci. USA 90: 2122-2126. 1993	<input type="checkbox"/>
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**EXAMINER SIGNATURE**

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34	COTTEN et al., "Ribozyme mediated destruction of RNA in vivo" EMBO J 8: 3861-3866. 1989	<input type="checkbox"/>
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45	STAERZ et al. "Hybrid hybridoma producing a bispecific monoclonal antibody that can focus effector T-cell activity" Proc. Natl. Acad. Sci. USA 83: 1453-1457. 1986	<input type="checkbox"/>
46	SCHARF et al. "Direct cloning and sequence analysis of enzymatically amplified genomic sequences" Science 233: 1076-1078. 1986	<input type="checkbox"/>
47	OLD et al. "Principles of Gene Manipulation" Blackwell Scientific Publications, London, 1986	<input type="checkbox"/>
48	MORRIS et al. "Cloning and expression of the bacteriophage T3 RNA polymerase gene" Gene 41: 193-200. 1986	<input type="checkbox"/>
49	KOZAK "Point mutations define a sequence flanking the AUG initiator codon that modulates translation by eukaryotic ribosomes" Cell 44: 283-292. 1986	<input type="checkbox"/>
50	JABLONSKI et al. "Preparation of oligodeoxynucleotide-alkaline phosphatase conjugates and their use as hybridization probes" Nucleic Acids Res. 14: 6115-6128. 1986	<input type="checkbox"/>

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Application Number	08978633
Filing Date	1997-11-25
First Named Inventor	Rabbani
Art Unit	1635
Examiner Name	J. Angell
Attorney Docket Number	Enz-53-D1

1	FUERST, et al., "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase: Proc. Natl. Acad. Sci. USA 83: 8122-8126. 1986	<input type="checkbox"/>
2	ERITJA et al. "Synthesis and properties of oligonucleotides containing 2'-deoxynebulurine and 2'-deoxyxanthosine" Nucleic Acids Res 14: 8135-8153. 1986	<input type="checkbox"/>
3	DAVIS et al., "Basic Methods in Molecular Biology" Elsevier, NY 1986	<input type="checkbox"/>
4	ARGOS et al. "The integrase family of site-specific recombinases: regional similarities and global diversity" EMBO J. 5: 433-440. 1986	<input type="checkbox"/>
5	AGRAWAL et al. "Efficient methods for attaching non-radioactive labels to the 5' ends of synthetic oligodeoxyribonucleotides" Nucleic Acids Res. 14: 6227-6245. 1986	<input type="checkbox"/>
6	SAIKI et al., "Enzymatic amplification of beta-globin genomic sequences and restriction site analysis for diagnosis of sickle cell anemia" Science 230: 1350-1354. 1985	<input type="checkbox"/>
7	CHU et al. "In vitro expression of the intron-containing gene for T4 phage thymidylate synthase" J. Biol. Chem. 260: 10680-10688. 1985	<input type="checkbox"/>
8	PERBAL, "A Practical Guide to Molecular Cloning" John Wiley & Sons, New York, 1984	<input type="checkbox"/>
9	MELTON "Efficient in vitro synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" et al. Nucleic Acids Res. 12: 7035-7056. 1984	<input type="checkbox"/>
10	KALDERON et al., "A short amino acid sequence able to specify nuclear location." Cell 39: 499-509. 1984	<input type="checkbox"/>
11	DAVANLOO et al. "Cloning and expression of the gene for bacteriophage T7 RNA polymerase" Proc. Natl. Acad. Sci. USA 81: 2035-2039. 1984	<input type="checkbox"/>



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12	CHU et al. "Intervening sequence in the thymidylate synthase gene of bacteriophage T4" Proc. Natl. Acad. Sci. USA 81: 3049-3053. 1984	<input type="checkbox"/>
13	TEEM et al., "Expression of a beta-galactosidase gene containing the ribosomal protein S1 intron is sensitive to the rna2 mutation of yeast" Proc. Natl. Acad. Sci. USA 80: 4403-4407. 1983	<input type="checkbox"/>
14	DUNN et al., "Complete nucleotide sequence of bacteriophage T7 DNA and the locations of T7 genetic elements" J. Mol. Biol. 166: 477-535. 1983	<input type="checkbox"/>
15	MOUNT "A catalogue of splice junction sequences" Nucleic Acids Res. 10: 459-472. 1982	<input type="checkbox"/>
16	MANSER et al., Human U1 loci: genes for human U1 RNA have dramatically similar genomic environments" Cell: 29: 257-264. 1982	<input type="checkbox"/>
17	MANIATIS et al. Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory Press, 1982	<input type="checkbox"/>
18	RUOSLAHTI et al. "Alignment of biologically active domains in the fibronectin molecule" J. Biol. Chem. 256: 7277-7281. 1981	<input type="checkbox"/>
19	ANDERSON et al. "Structure of the cro repressor from bacteriophage lambda and its interaction with DNA" Nature 290: 754-758. 1981	<input type="checkbox"/>
20	ROYCHOUDHURY et al. "Influence of nucleotide sequence adjacent to duplex DNA termini on 3' terminal labeling by terminal transferase" Nucleic Acids Res. 6: 1323-1333. 1979	<input type="checkbox"/>
21	RIGBY et al. "Labeling deoxyribonucleic acid to high specific activity in vitro by nick translation with DNA polymerase I" J. Mol. Biol. 113: 237-251. 1977	<input type="checkbox"/>
22	RAFESTIN et al. "Purification of N-acetyl D-glucosamine-binding proteins by affinity chromatography" FEBS Letters 40: 62-66. 1974	<input type="checkbox"/>


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23	STAVRIANOPOULOS et al. "Mechanism of DNA replication by highly purified DNA polymerase of chicken embryo" Proc. Natl. Acad. Sci. USA 69: 2609-2613. 1972	<input type="checkbox"/>
24	SOEIRO et al. "Competition hybridization by "pre-saturation" of HeLa cell DNA" J. Mol. Biol. 44: 551-562. 1969	<input type="checkbox"/>
25	Definitions for "compound", "polymer", "monomer" on 2005-10-19 from www.cancerweb.ncl.ac.uk	<input type="checkbox"/>

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